

EMERGENCY MOVING DEVICE OF AN ELEVATOR

ABSTRACT

5 An emergency moving device of an elevator includes a reduction gear fixed on top of the car, several first gears coupled to a shaft of the reduction gear, a first connector releasably coupled to the car, a second connector affixed to the car and releasably coupled to the first connector, a fall-prevention device releasably coupling the first connector to the
10 second connector, and chains respectively connected to the first connector and engaging the first gears; the first connector is coupled to steel ropes of the elevator used for vertically displacing the car member; when the car is stopped between floors by a power failure, the passengers press an emergency button to make the fall-prevention device
15 uncouple the first connector from the second connector so that the car is allowed to move down relative to the first connector until it arrives at a next floor with the reduction gear reducing speed of the car.